

IN THE SPECIFICATION

Please amend the specification as follows:

Page 8, line 26 – page 9, line 2:

The system control unit 150 [[bears]] is provided for controlling each portion of the optical disc apparatus 100. FIG. 2 is a block diagram showing a functional structure of the system control unit 150.

Page 21, line 15 – page 22, line 13:

The inventive disc apparatus 100 shown in FIG. 1 is operated by a computer program, which is stored in a machine readable storage medium such as ROM and loaded into the system control unit 150 having a CPU. The computer program is executable by the CPU for enabling the disc apparatus 100 to perform the process comprising the steps of successively detecting a linear velocity of the optical disc relative to the optical beam [[in]] on a realtime basis, successively generating the strategy according to the detected linear velocity every time the linear velocity of the optical disc is detected, providing a plurality of storage areas, each being capable of memorizing the strategy successively generated, rewriting one of the storage areas every time the strategy is generated until the strategy is updated by a given step amount and then rewriting another of the storage areas every time the strategy is generated while leaving said one storage area to hold the updated strategy, thereby updating the strategy through the plurality of the storage areas, selecting the storage area holding the updated strategy to read therefrom the updated strategy while allowing the rewriting of another storage area, generating a pulse waveform shaped according to the updated strategy held in the selected storage area, and irradiating the optical beam in response to the generated pulse waveform to record the signal on the optical disc.

Page 30, line 16 – page 31, line 5:

Here, although the storing section (not shown) according to the above-described modification 1 and this modification is configured to store a threshold value in one temperature range, it may be configured to store threshold values in a plurality of temperature ranges, for example. If the storing section is constituted in this manner, the strategy information generating section 153 generates a plurality of types of strategy information, namely, strategy information according to each temperature range with respect to one linear velocity s supplied from the linear velocity detecting section 151. A plurality of types of strategy information generated in accordance with each linear velocity by the strategy information generating section 153 is configured to be stored in different storage areas in the strategy information storage unit 160, respectively. In this manner, a plurality of temperature ranges may be set without being restricted to one.

///

///

///

///

///

///

///

///

///

///